

SUPPORTING INFORMATION

Clinical presentation, cytological findings, and surgical outcome of a suspected benign epithelial neoplasm in a dog[†]

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Table S1 Hematology Assessment

Based on the hematology results at Table S1, Zeus showed severe anemia, indicated by a marked decrease in red blood cell ($1.59 \times 10^6/\mu\text{L}$), hemoglobin (3.7 g/dL), and hematocrit (10.8%). Normal mean corpuscular volume and mean corpuscular hemoglobin concentration suggest normocytic normochromic anemia, while elevated red cell distribution width indicates anisocytosis, reflecting possible regenerative response or impaired erythropoiesis. The white blood cell result as “OVER” suggested leukocytosis, possibly linked to infection, inflammation, or stress. The platelet count ($192 \times 10^3/\mu\text{L}$) was slightly below the range, indicating mild thrombocytopenia.

Table S1. Hematology Assessment for Zeus

Parameter	Results	Normal range (Schalm <i>et al.</i> 2010)
White Blood Cell ($10^3/\mu\text{L}$)	OVER	6.0 – 17.0
Red Blood Cell ($10^6/\mu\text{L}$)	1.59	5.50 – 8.50
Hemoglobin (g/dL)	3.7	12.0 – 18.0
Hematocrit (%)	10.8	37.0 – 55.0
Mean Corpuscular Volume (fL)	67.9	60.0 – 77.0
Mean Corpuscular Hemoglobin (pg)	23.3	19.5 – 24.5
Mean Corpuscular Hemoglobin Concentration (g/dL)	34.3	32.0 – 36.0
Platelet ($10^3/\mu\text{L}$)	192.0	200 – 500
Red Cell Distribution Width (%)	30.1	12.0 – 16.0
Procalcitonin (%)	0.16	0.00 – 2.90
Mean Platelet Volume (fL)	8.3	6.7 – 11.1
Platelet Distribution Width (%)	15.9	0.0 – 50.0

Note: Red color number/text= high value, Blue color number= low value.

References:

Schalm OW, Weiss DJ, Wardrop KJ. 2010. Schalm's Veterinary Hematology. Sixth Edition. Ames (Iowa): Wiley-Blackwell